# BucketList

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## Introduction:

BucketList is a mobile application that helps users create a list in the form of buckets of places they want to visit. Places visited can be checked off from the bucket. The app also provides features to share the buckets with other users and gives a top bucket ranking based on the ratings given by a user.

## BucketList features:

**Sign in through Google+**: A user can sign in to the application using a Google+ account. This avoids the overhead of creating a new account with new credentials.

**Creating a bucket**: A user can create different types of buckets through the application. The application provides various options for bucket styles.

**Exploring the map to add places to the bucket list:** The user can explore a map, find a place of interest and add it to any of the buckets.

**Rating and reviewing a place**: Once a user visits any of the places, he can rate the places and add reviews about it.

**Sharing a Bucket:** The application also allows a user to share buckets through Google+. The buckets can either be shared publicly or with specific users. Buckets can be shared with or without pictures.

**Top Bucket Listing:** The app provides a list of top rated places based on ratings given by the user for visited places.

# BucketList Walk Through:

1. **Sign in through Google+**:
   The login screen looks as shown in Fig.1. The user can login to the app through a Google+ account. Once the user logs in the user is shown the menu as shown in Fig.2.


Fig.1.


Fig.2.

2. **Creating a bucket**:
   A user can create a bucket by selecting the ‘New Bucket’ option in the main menu. The user can select any bucket image from the available options as shown in Figure 3. The user has to name the bucket and then create a new bucket as shown in Fig.3.


Fig.3

3. **Exploring the map to add places to the bucket list:**
   The user can explore a map to find a place of interest by clicking the 'Explore Map' option in the main menu. The user can search for a place and then choose a bucket to put that specific place in (Fig.5).

   There is one more way to add a place to the bucket. A user can tap on a place on the map to point to that place. The place which is tapped on can then be added to the buckets.

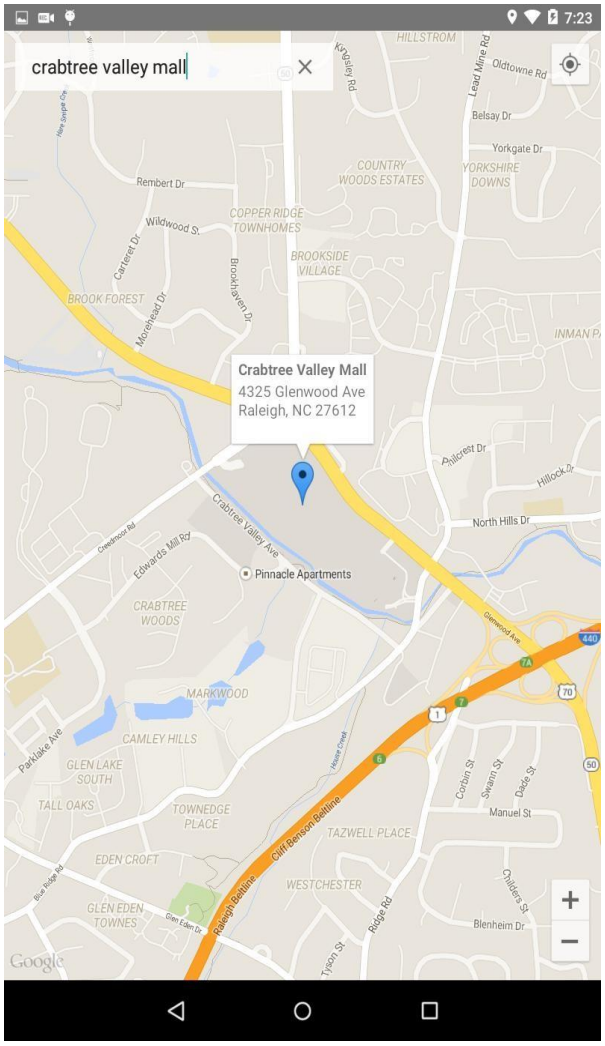


Fig.4.

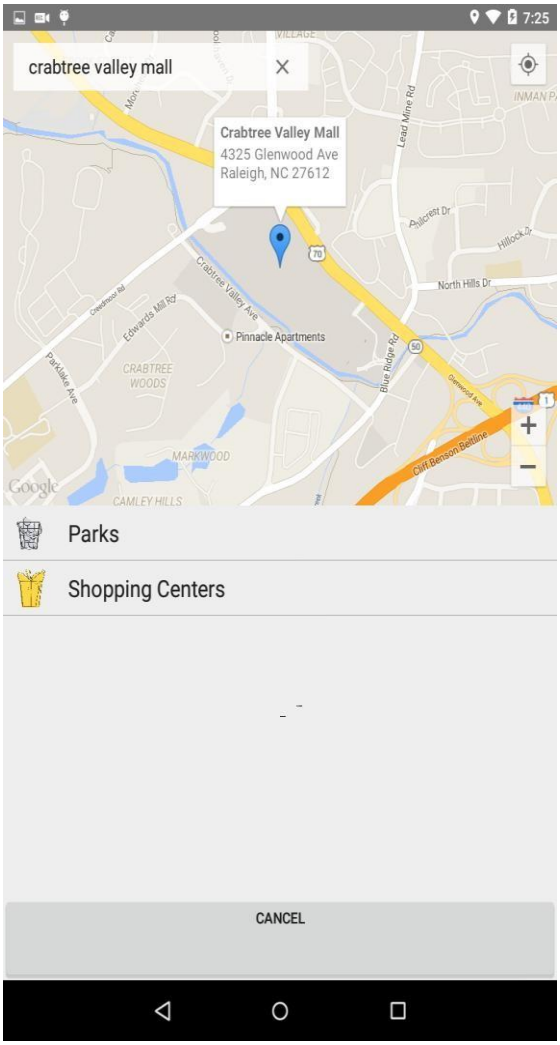


Fig.5

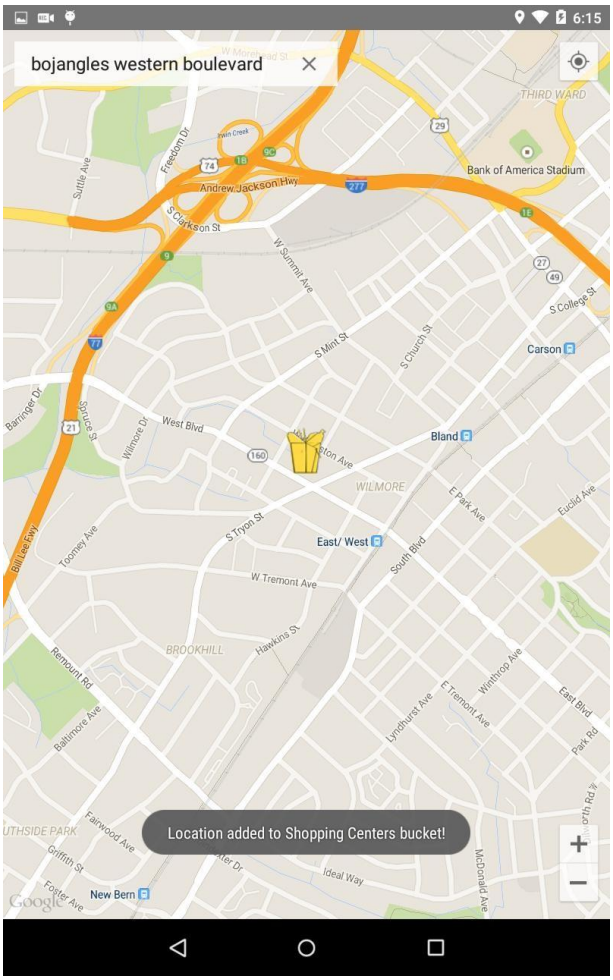
6:15
bojangles western boulevard
THIRD WARD
Bank of America Stadium
Andrew Jackson Hwy
S Clarkson St
W Summit Ave
S College St
Carson
S Mint St
S Church St
Bland
West Blvd
WILMORE
E Park Ave
Euclid Ave
East/ West
S Tryon St
W Tremont Ave
South Blvd
BROOKHILL
Hawkins St
Remount Rd
Baltimore Ave
Lyndhurst Ave
E Tremont Ave
Winthrop Ave
East Blvd
Park Rd
Fairwood Ave
Griffith St
Foster Ave
New Bern
Ideal Way
McDonald Ave
Location added to Shopping Centers bucket!
Google

Fig.6

4. **Rating and reviewing a place**:

   The user can view all the places in a specific bucket by clicking on one of the buckets as shown in Fig.8. Once a user visits a place, he can check that place off from a bucket. The user can also rate the place (Fig.9.) and add reviews about a place as shown in Fig.10. The user can check of the visited places from the bucket list. The user can also edit the name of the buckets and delete buckets

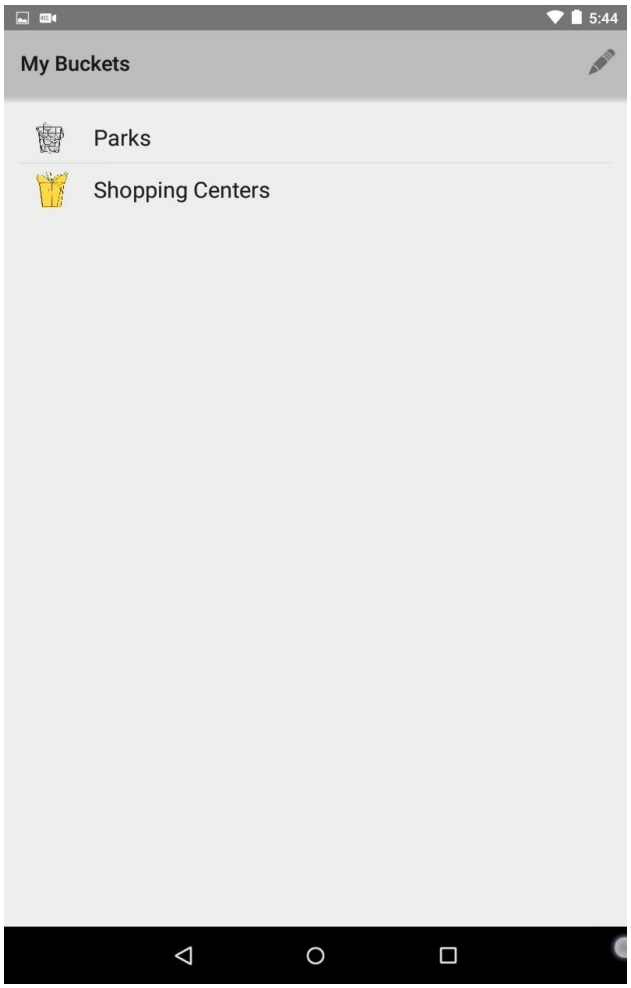


Fig.7.

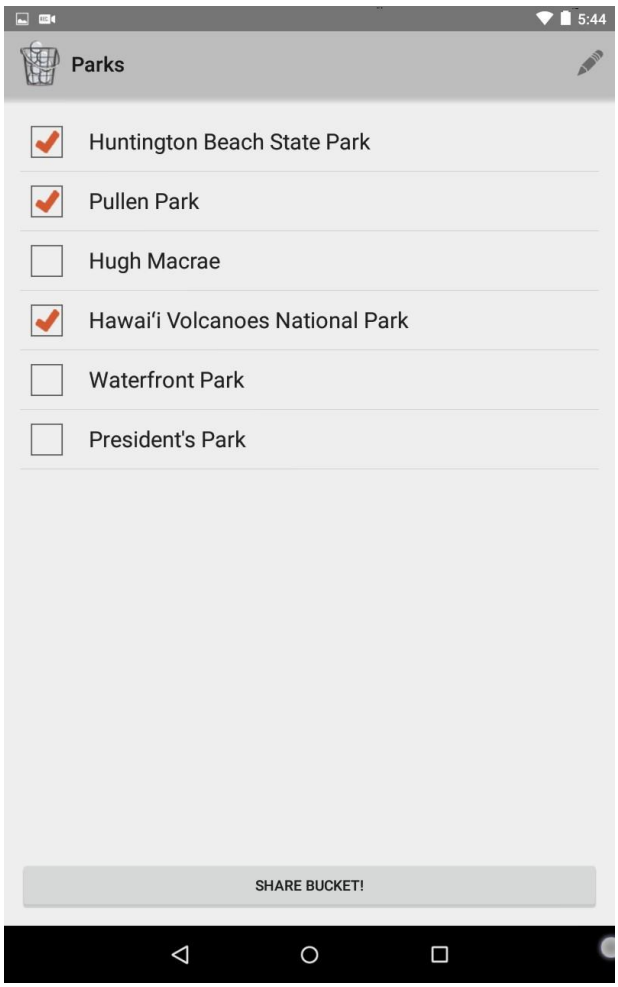


Fig.8

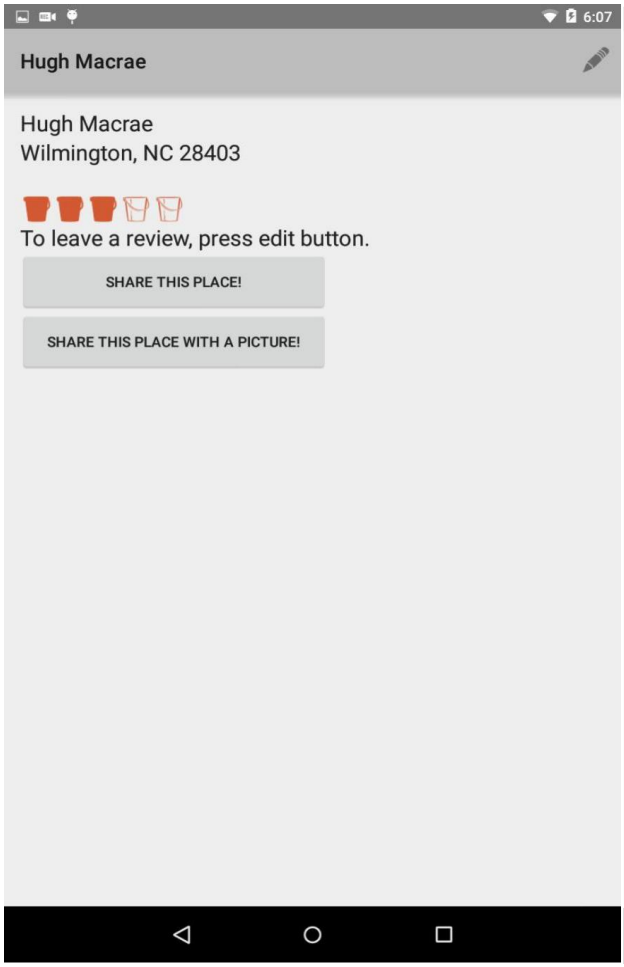
6:07
Hugh Macrae
Hugh Macrae
Wilmington, NC 28403
To leave a review, press edit button.
SHARE THIS PLACE!
SHARE THIS PLACE WITH A PICTURE!

Fig.9

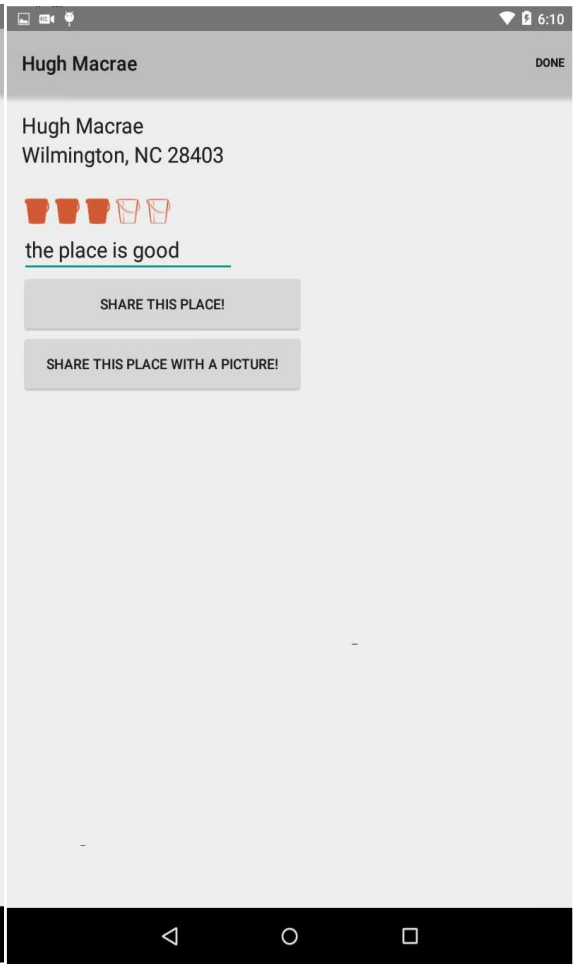
6:10
Hugh Macrae
DONE
Hugh Macrae
Wilmington, NC 28403
the place is good
SHARE THIS PLACE!
SHARE THIS PLACE WITH A PICTURE!

Fig.10

5. **Sharing a Bucket:**
The user can share buckets on Google+. With the share bucket option the user can share buckets. The buckets can be shared publicly or with specific people.
The user can share a bucket as shown in Fig.11 and Fig.12 or a place in a bucket. The places can be shared with (Fig.14) or without a picture (Fig.13).

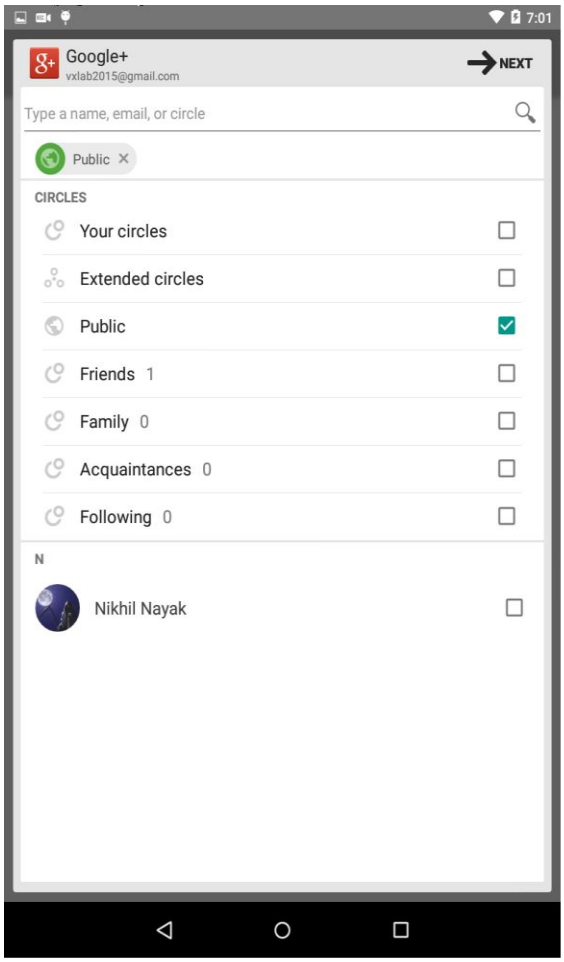


Fig.11

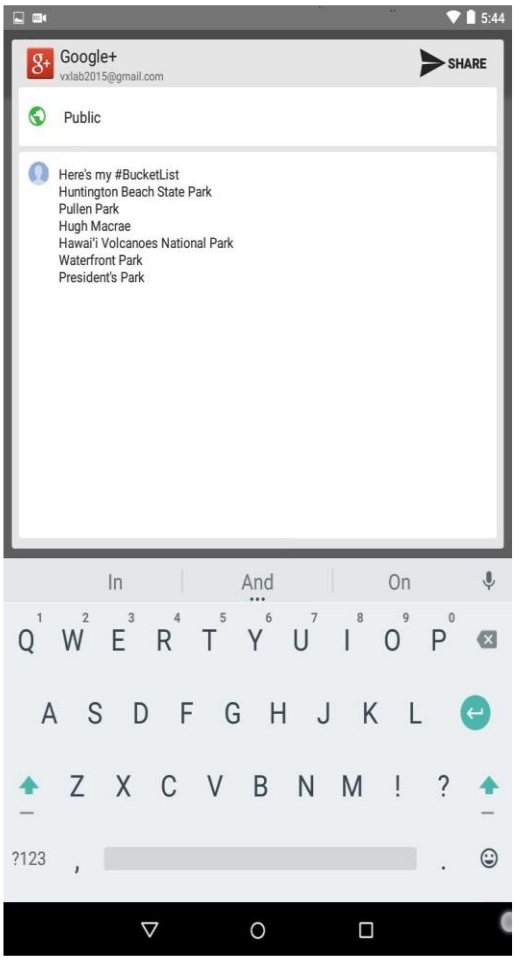


Fig.12

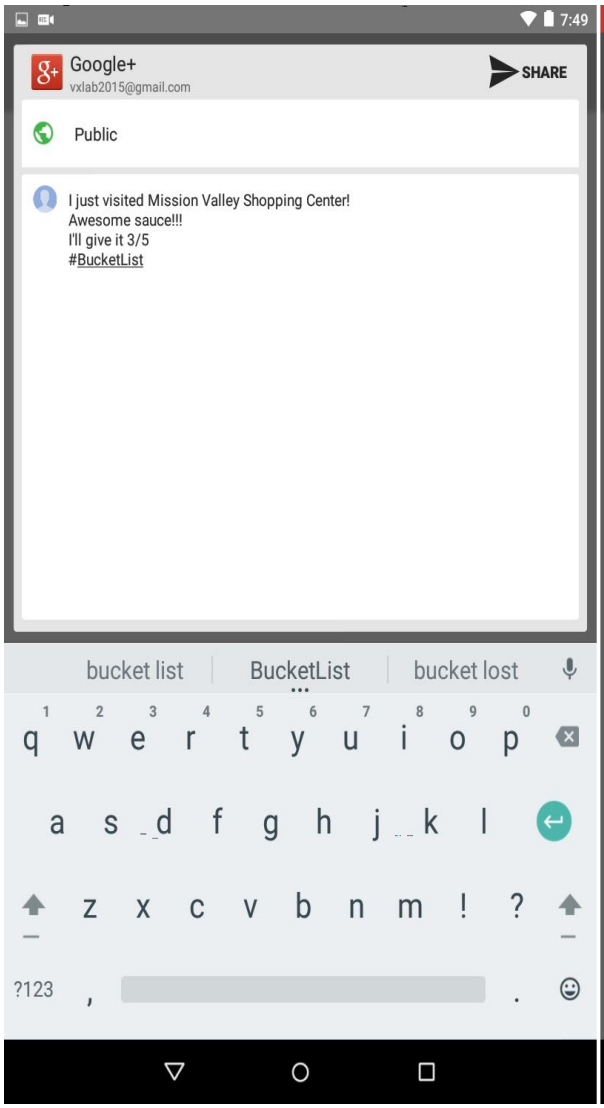


Fig.13.

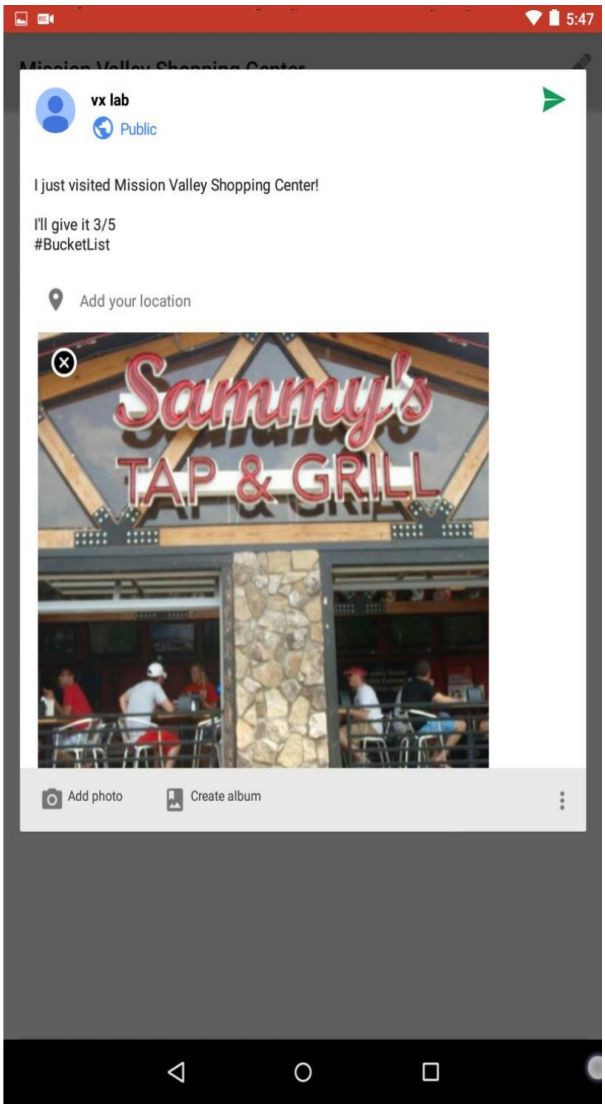


Fig.14.

Sharing the buckets through the application is a future work to be done for this app.

6. **Top Bucket Listing:**

   The top buckets show all the places that have been marked with a rating of 5. More information about the place can be seen on click of that place from the top buckets list as shown in Fig.15.

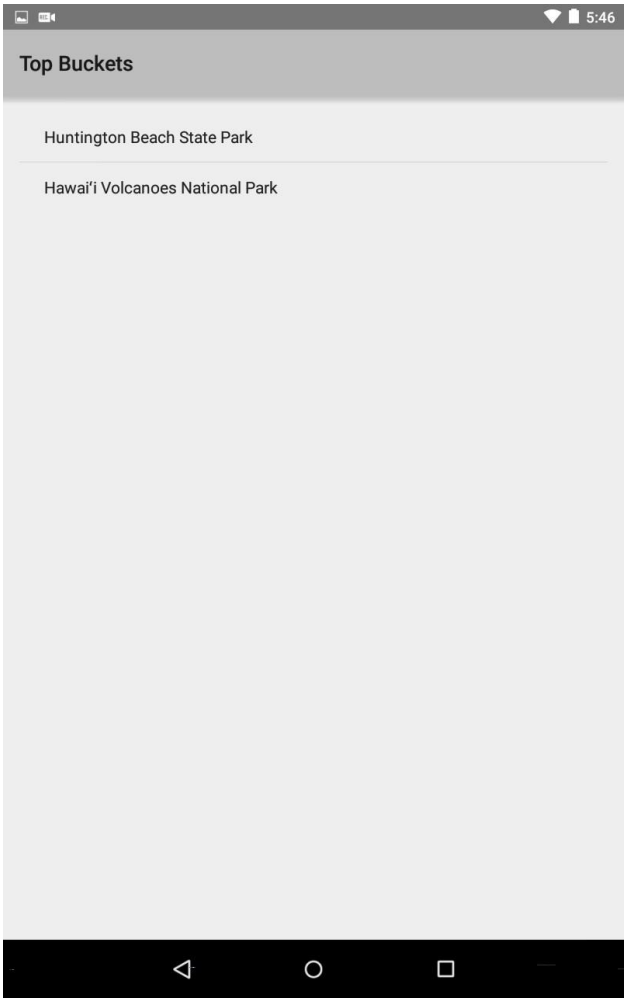


Fig.15

**7. Logout:**
The user can log out from the application by using the Logout option in the main menu.

# General idea of the application technology stack:

We have developed this application to work on the android operating system.

**Google+:**
We used Google+ for authenticating a user.
We also used Google+ to share buckets and places with other users.

**Google maps API:**
We display the map screen based on Google Maps APIs.
The Google geolocate API is used to retrieve addresses during searches.

**SQLite**:
All our data is stored per user in a SQLite database on the device.
This lets multiple users use the app, while allowing each user to have a private list of buckets and places.

# Future Work:

- The application currently needs the user to input the entire word for searching. An important utility could be to add an auto-complete feature for search.
- The application supports Google+ login. One of the future works could be to integrate Facebook login as well.
- Sharing of buckets, in the future, could be done directly through the app instead of using Google+, which is the current technique.
- One of the future items is integrating the Places API for information about places on the map, so that more information can be displayed.
- The bucket icons can be customized to the choice of the user.
- The overall look and feel of the user interface can be improved upon as a future work item.
- The places of pictures can be added to the place information page.